



SEQUENCE LISTING

<110> Ish-Horowicz, David
Henrique, Domingos Manuel Pinto
Lewis, Julian Hart
Artavanis Tsakonas, Spyridon
Gray, Grace

<120> ANTIBODIES TO VERTEBRATE DELTA PROTEINS
AND FRAGMENTS

<130> 7326-122-999

<140> 09/783,931

<141> 2001-02-15

<150> 08/981,392

<151> 1997-12-22

<150> PCT/US96/11178

<151> 1996-06-28

<150> 60/000,589

<151> 1995-06-28

<160> 94

<170> FastSEQ for Windows Version 4.0

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<211> 2508

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<223> Chick Delta (C-Delta-1) gene

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 <213> Gallus gallus

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Cys Leu Lys His Tyr Gln Ser Asn Val Ser Pro Glu Pro Pro Cys Thr
65          70          75          80
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85          90          95
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100          105          110
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115          120          125
Ile His Ala Asp Ser Ala Asp Leu Asn Thr Glu Asn Pro Glu Arg
130          135          140
Leu Ile Ser Arg Leu Ala Thr Gln Arg His Leu Thr Val Gly Glu Gln
145          150          155          160
Trp Ser Gln Asp Leu His Ser Ser Asp Arg Thr Glu Leu Lys Tyr Ser
165          170          175
Tyr Arg Phe Val Cys Asp Glu Tyr Tyr Tyr Gly Glu Gly Cys Ser Asp
180          185          190
Tyr Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Ser Cys Gly Glu
195          200          205
Lys Gly Glu Lys Leu Cys Asn Pro Gly Trp Lys Gly Leu Tyr Cys Thr
210          215          220
Glu Pro Ile Cys Leu Pro Gly Cys Asp Glu His His Gly Tyr Cys Asp

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225					230					235				240
Lys	Pro	Gly	Glu	Cys	Lys	Cys	Arg	Val	Gly	Trp	Gln	Gly	Arg	Tyr
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			260					265					270	
Pro	Trp	Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys
		275					280					285		Asn
Gln	Asp	Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Glu	Asn	Gly
	290					295					300			Ala
Thr	Cys	Thr	Asn	Thr	Gly	Gln	Gly	Ser	Tyr	Thr	Cys	Ser	Cys	Arg
305					310					315				320
Gly	Tyr	Thr	Gly	Ser	Asn	Cys	Glu	Ile	Glu	Val	Asn	Glu	Cys	Asp
			325						330					335
Asn	Pro	Cys	Lys	Asn	Gly	Gly	Ser	Cys	Ser	Asp	Leu	Glu	Asn	Ser
		340						345					350	Tyr
Thr	Cys	Ser	Cys	Pro	Pro	Gly	Phe	Tyr	Gly	Lys	Asn	Cys	Glu	Leu
		355				360						365		Ser
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	370					375					380			Ala
Asp	Asn	Pro	Asp	Gly	Gly	Tyr	Ile	Cys	Phe	Cys	Pro	Val	Gly	Tyr
385				390					395					400
Gly	Phe	Asn	Cys	Glu	Lys	Lys	Ile	Asp	Tyr	Cys	Ser	Ser	Asn	Pro
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Ala	Asn	Gly	Ala	Arg	Cys	Glu	Asp	Leu	Gly	Asn	Ser	Tyr	Ile	Cys
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Cys	Gln	Glu	Gly	Phe	Ser	Gly	Arg	Asn	Cys	Asp	Asp	Asn	Leu	Asp
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Cys	Thr	Ser	Phe	Pro	Cys	Gln	Asn	Gly	Gly	Thr	Cys	Gln	Asp	Gly
	450					455					460			Ile
Asn	Asp	Tyr	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Tyr	Ile	Gly	Lys	Asn
465				470					475					480
Ser	Met	Pro	Ile	Thr	Lys	Cys	Glu	His	Asn	Pro	Cys	His	Asn	Gly
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Thr	Cys	His	Glu	Arg	Asn	Asn	Arg	Tyr	Val	Cys	Gln	Cys	Ala	Arg
		500						505					510	Gly
Tyr	Gly	Gly	Asn	Asn	Cys	Gln	Phe	Leu	Leu	Pro	Glu	Glu	Lys	Pro
	515					520						525		Val
Val	Val	Asp	Leu	Thr	Glu	Lys	Tyr	Thr	Glu	Gly	Gln	Ser	Gly	Gln
	530					535					540			Phe
Pro	Trp	Ile	Ala	Val	Cys	Ala	Gly	Ile	Val	Leu	Val	Leu	Met	Leu
545				550					555					560
Leu	Gly	Cys	Ala	Ala	Val	Val	Val	Cys	Val	Arg	Val	Arg	Val	Gln
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Arg	Arg	His	Gln	Pro	Glu	Ala	Cys	Arg	Gly	Glu	Ser	Lys	Thr	Met
		580						585					590	Asn
Asn	Leu	Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Ile	Ser	Val	Ser	Phe
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Gly	Thr	Thr	Gln	Ile	Lys	Asn	Thr	Asn	Lys	Lys	Ile	Asp	Phe	Leu
	610					615					620			Ser
Glu	Ser	Asn	Asn	Glu	Lys	Asn	Gly	Tyr	Lys	Pro	Arg	Tyr	Pro	Ser
625				630					635					640
Asp	Tyr	Asn	Leu	Val	His	Glu	Leu	Lys	Asn	Glu	Asp	Ser	Pro	Lys
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Glu	Arg	Ser	Lys	Cys	Glu	Ala	Lys	Cys	Ser	Ser	Asn	Asp	Ser	Asp
		660						665					670	Ser
Glu	Asp	Val	Asn	Ser	Val	His	Ser	Lys	Arg	Asp	Ser	Ser	Glu	Arg
	675						680					685		Arg
Arg	Pro	Asp	Ser	Ala	Tyr	Ser	Thr	Ser	Lys	Asp	Thr	Lys	Tyr	Gln
	690					695					700			Ser
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														720

Val

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<212> PRT
<213> Drosophila

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35 40 45
Glu Ser Asp Gly Ala Thr Gly Lys Cys Leu Gly Ser Cys Lys Thr Arg
50 55 60
Phe Arg Leu Cys Leu Lys His Tyr Gln Ala Thr Ile Asp Thr Thr Ser
65 70 75 80
Gln Cys Thr Tyr Gly Asp Val Ile Thr Pro Ile Leu Gly Glu Asn Ser
85 90 95
Val Asn Leu Thr Asp Ala Gln Arg Phe Gln Asn Lys Gly Phe Thr Asn
100 105 110
Pro Ile Gln Phe Pro Phe Ser Phe Ser Trp Pro Gly Thr Phe Ser Leu
115 120 125
Ile Val Glu Ala Trp His Asp Thr Asn Asn Ser Gly Asn Ala Arg Thr
130 135 140
Asn Lys Leu Leu Ile Gln Arg Leu Leu Val Gln Gln Val Leu Glu Val
145 150 155 160
Ser Ser Glu Trp Lys Thr Asn Lys Ser Glu Ser Gln Tyr Thr Ser Leu
165 170 175
Glu Tyr Asp Phe Arg Val Thr Cys Asp Leu Asn Tyr Tyr Gly Ser Gly
180 185 190
Cys Ala Lys Phe Cys Arg Pro Arg Asp Asp Ser Phe Gly His Ser Thr
195 200 205
Cys Ser Glu Thr Gly Glu Ile Ile Cys Leu Thr Gly Trp Gln Gly Asp
210 215 220
Tyr Cys His Ile Pro Lys Cys Ala Lys Gly Cys Glu His Gly His Cys
225 230 235 240
Asp Lys Pro Asn Gln Cys Val Cys Gln Leu Gly Trp Lys Gly Ala Leu
245 250 255
Cys Asn Glu Cys Val Leu Glu Pro Asn Cys Ile His Gly Thr Cys Asn
260 265 270
Lys Pro Trp Thr Cys Ile Cys Asn Glu Gly Trp Gly Gly Leu Tyr Cys
275 280 285
Asn Gln Asp Leu Asn Tyr Cys Thr Asn His Arg Pro Cys Lys Asn Gly
290 295 300
Gly Thr Cys Phe Asn Thr Gly Glu Gly Leu Tyr Thr Cys Lys Cys Ala
305 310 315 320
Pro Gly Tyr Ser Gly Asp Asp Cys Glu Asn Glu Ile Tyr Ser Cys Asp
325 330 335
Ala Asp Val Asn Pro Cys Gln Asn Gly Gly Thr Cys Ile Asp Glu Pro
340 345 350
His Thr Lys Thr Gly Tyr Lys Cys His Cys Arg Asn Gly Trp Ser Gly
355 360 365
Lys Met Cys Glu Glu Lys Val Leu Thr Cys Ser Asp Lys Pro Cys His
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Gln Gly Ile Cys Arg Asn Val Arg Pro Gly Leu Gly Ser Lys Gly Gln
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<211> 45
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<213> Gallus gallus

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Asn Lys Thr Cys Leu Glu Gly Trp Thr Gly Pro Glu Cys
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<212> PRT
<213> Drosophila

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Arg Cys Ser Ala Gly Trp Ser Gly Glu Asp Cys
35 40

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<211> 45
<212> PRT
<213> Drosophila

<400> 10
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Arg Leu Arg Cys Asp Ile Gly Trp Met Gly Pro His Cys
35 40 45

<210> 11
<211> 2692
<212> DNA
<213> mouse

<220>
<221> CDS
<222> (31)...(2199)
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<400> 11

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gcc ctt gcc gtg gtc tct gcc ctg ctg tgc cag gtc tgg agc tcc ggc	102
Ala Leu Ala Val Val Ser Ala Leu Leu Cys Gln Val Trp Ser Ser Gly	
10 15 20	
gta ttt gag ctg aag ctg cag gag ttc gtc aac aag aag ggg ctg ctg	150
Val Phe Glu Leu Lys Leu Gln Glu Phe Val Asn Lys Lys Gly Leu Leu	
25 30 35 40	
ggg aac cgc aac tgc tgc cgc ggg ggc tct ggc ccg cct tgc gcc tgc	198
Gly Asn Arg Asn Cys Cys Arg Gly Gly Ser Gly Pro Pro Cys Ala Cys	
45 50 55	
agg acc ttc ttt cgc gta tgc ctc aag cac tac cag gcc agc gtg tca	246
Arg Thr Phe Phe Arg Val Cys Leu Lys His Tyr Gln Ala Ser Val Ser	
60 65 70	
ccg gag cca ccc tgc acc tac ggc agt gcc gtc acg cca gtg ctg ggt	294
Pro Glu Pro Pro Cys Thr Tyr Gly Ser Ala Val Thr Pro Val Leu Gly	
75 80 85	
gtc gac tcc ttc agc ctg cct gat ggc gca ggc atc gac ccc gcc ttc	342
Val Asp Ser Phe Ser Leu Pro Asp Gly Ala Gly Ile Asp Pro Ala Phe	
90 95 100	
agc aac ccc atc cga ttc ccc ttc ggc ttc acc tgg cca ggt acc ttc	390
Ser Asn Pro Ile Arg Phe Pro Phe Gly Phe Thr Trp Pro Gly Thr Phe	
105 110 115 120	
tct ctg atc att gaa gcc ctc cat aca gac tct ccc gat gac ctc gca	438
Ser Leu Ile Ile Glu Ala Leu His Thr Asp Ser Pro Asp Asp Leu Ala	
125 130 135	
aca gaa aac cca gaa aga ctc atc agc cgc ctg acc aca cag agg cac	486
Thr Glu Asn Pro Glu Arg Leu Ile Ser Arg Leu Thr Thr Gln Arg His	
140 145 150	
ctc act gtg gga gaa gaa tgg tct cag gac ctt cac agt agc ggc cgc	534
Leu Thr Val Gly Glu Glu Trp Ser Gln Asp Leu His Ser Ser Gly Arg	
155 160 165	
aca gac ctc cgg tac tct tac cgg ttt gtg tgt gac gag cac tac tac	582
Thr Asp Leu Arg Tyr Ser Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr	
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Gly Glu Gly Cys Ser Val Phe Cys Arg Pro Arg Asp Asp Ala Phe Gly	
185 190 195 200	
cac ttc acc tgc ggg gac aga ggg gag aag atg tgc gac cct ggc tgg	678
His Phe Thr Cys Gly Asp Arg Gly Glu Lys Met Cys Asp Pro Gly Trp	
205 210 215	
aaa ggc cag tac tgc act gac cca atc tgt ctg cca ggg tgt gat gac	726
Lys Gly Gln Tyr Cys Thr Asp Pro Ile Cys Leu Pro Gly Cys Asp Asp	
220 225 230	

caa cat gga tac tgt gac aaa cca ggg gag tgc aag tgc aga gtt ggc Gln His Gly Tyr Cys Asp Lys Pro Gly Glu Cys Lys Cys Arg Val Gly 235 240 245	774
tgg cag ggc cgc tac tgc gat gag tgc atc cga tac cca ggt tgt gtc Trp Gln Gly Arg Tyr Cys Asp Glu Cys Ile Arg Tyr Pro Gly Cys Val 250 255 260	822
cat ggc acc tgc cag caa ccc tgg cag tgt aac tgc cag gaa ggc tgg His Gly Thr Cys Gln Gln Pro Trp Gln Cys Asn Cys Gln Glu Gly Trp 265 270 275 280	870
ggg ggc ctt ttc tgc aac caa gac ctg aac tac tgt act cac cat aag Gly Gly Leu Phe Cys Asn Gln Asp Leu Asn Tyr Cys Thr His His Lys 285 290 295	918
ccg tgc agg aat gga gcc acc tgc acc aac acg ggc cag ggg agc tac Pro Cys Arg Asn Gly Ala Thr Cys Thr Asn Thr Gly Gln Gly Ser Tyr 300 305 310	966
aca tgt tcc tgc cga cct ggg tat aca ggt gcc aac tgt gag ctg gaa Thr Cys Ser Cys Arg Pro Gly Tyr Thr Gly Ala Asn Cys Glu Leu Glu 315 320 325	1014
gta gat gag tgt gct cct agc ccc tgc aag aac gga gcg agc tgc acg Val Asp Glu Cys Ala Pro Ser Pro Cys Lys Asn Gly Ala Ser Cys Thr 330 335 340	1062
gac ctt gag gac agc ttc tct tgc acc tgc cct ccc ggc ttc tat ggc Asp Leu Glu Asp Ser Phe Ser Cys Thr Cys Pro Pro Gly Phe Tyr Gly 345 350 355 360	1110
aag gtc tgt gag ctg agc gcc atg acc tgt gca gat ggc cct tgc ttc Lys Val Cys Glu Leu Ser Ala Met Thr Cys Ala Asp Gly Pro Cys Phe 365 370 375	1158
aat gga gga cga tgt tca gat aac cct gac gga ggc tac acc tgc cat Asn Gly Gly Arg Cys Ser Asp Asn Pro Asp Gly Gly Tyr Thr Cys His 380 385 390	1206
tgc ccc ttg ggc ttc tct ggc ttc aac tgt gag aag aag atg gat ctc Cys Pro Leu Gly Phe Ser Gly Phe Asn Cys Glu Lys Lys Met Asp Leu 395 400 405	1254
tgc ggc tct tcc cct tgt tct aac ggt gcc aag tgt gtg gac ctc ggc Cys Gly Ser Ser Pro Cys Ser Asn Gly Ala Lys Cys Val Asp Leu Gly 410 415 420	1302
aac tct tac ctg tgc cgg tgc cag gct ggc ttc tcc ggg agg tac tgc Asn Ser Tyr Leu Cys Arg Cys Gln Ala Gly Phe Ser Gly Arg Tyr Cys 425 430 435 440	1350
gag gac aat gtg gat gac tgt gcc tcc tcc ccg tgt gca aat ggg ggc Glu Asp Asn Val Asp Asp Cys Ala Ser Ser Pro Cys Ala Asn Gly Gly 445 450 455	1398
acc tgc cgg gac agt gtg aac gac ttc tcc tgt acc tgc cca cct ggc Thr Cys Arg Asp Ser Val Asn Asp Phe Ser Cys Thr Cys Pro Pro Gly 460 465 470	1446

tac acg ggc aag aac tgc agc gcc cct gtc agc agg tgt gag cat gca	1494
Tyr Thr Gly Lys Asn Cys Ser Ala Pro Val Ser Arg Cys Glu His Ala	
475 480 485	
ccc tgc cat aat ggg gcc acc tgc cac cag agg ggc cag cgc tac atg	1542
Pro Cys His Asn Gly Ala Thr Cys His Gln Arg Gly Gln Arg Tyr Met	
490 495 500	
tgt gag tgc gcc cag ggc tat ggc ggc ccc aac tgc cag ttt ctg ctc	1590
Cys Glu Cys Ala Gln Gly Tyr Gly Gly Pro Asn Cys Gln Phe Leu Leu	
505 510 515 520	
cct gag cca cca cca ggg ccc atg gtg gtg gac ctc agt gag agg cat	1638
Pro Glu Pro Pro Pro Gly Pro Met Val Val Asp Leu Ser Glu Arg His	
525 530 535	
atg gag agc cag ggc ggg ccc ttc ccc tgg gtg gcc gtg tgt gcc ggg	1686
Met Glu Ser Gln Gly Gly Pro Phe Pro Trp Val Ala Val Cys Ala Gly	
540 545 550	
gtg gtg ctt gtc ctc ctg ctg ctg ctg ggc tgt gct gct gtg gtg gtc	1734
Val Val Leu Val Leu Leu Leu Leu Leu Gly Cys Ala Ala Val Val Val	
555 560 565	
tgc gtc cgg ctg aag cta cag aaa cac cag cct cca cct gaa ccc tgt	1782
Cys Val Arg Leu Lys Leu Gln Lys His Gln Pro Pro Pro Glu Pro Cys	
570 575 580	
ggg gga gag aca gaa acc atg aac aac cta gcc aat tgc cag cgc gag	1830
Gly Gly Glu Thr Glu Thr Met Asn Asn Leu Ala Asn Cys Gln Arg Glu	
585 590 595 600	
aag gac gtt tct gtt agc atc att ggg gct acc cag atc aag aac acc	1878
Lys Asp Val Ser Val Ser Ile Ile Gly Ala Thr Gln Ile Lys Asn Thr	
605 610 615	
aac aag aag gcg gac ttt cac ggg gac cat gga gcc gag aag agc agc	1926
Asn Lys Lys Ala Asp Phe His Gly Asp His Gly Ala Glu Lys Ser Ser	
620 625 630	
ttt aag gtc cga tac ccc act gtg gac tat aac ctc gtt cga gac ctc	1974
Phe Lys Val Arg Tyr Pro Thr Val Asp Tyr Asn Leu Val Arg Asp Leu	
635 640 645	
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Lys Gly Asp Glu Ala Thr Val Arg Asp Thr His Ser Lys Arg Asp Thr	
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aag tgc cag tca cag agt ctg cag gag aag aga aga tcg ccc caa cac	2070
Lys Cys Gln Ser Gln Ser Leu Gln Glu Lys Arg Arg Ser Pro Gln His	
665 670 675 680	
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Leu Gly Val Gly Arg Phe Leu Thr Glu Asn Arg Pro Glu Ser Val Tyr	
685 690 695	
tct act tca aag gac acc aag tac cag tcg gtg tat gtt ctg tct gca	2166
Ser Thr Ser Lys Asp Thr Lys Tyr Gln Ser Val Tyr Val Leu Ser Ala	
700 705 710	
gaa aag gat gag tgt gtt ata gcg act gag gtg taagatggaa gcgatgtggc	2219

Glu Lys Asp Glu Cys Val Ile Ala Thr Glu Val
715 720

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agaggaaggg agaggaaacc cagggaactgc tgctgagaac caggttcagg cgaacgtggg 2339
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<210> 12
<211> 722
<212> PRT
<213> mouse

<400> 12

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Val Asn Lys Lys Gly Leu Leu Gly Asn Arg Asn Cys Cys Arg Gly Gly
          35          40          45
Ser Gly Pro Pro Cys Ala Cys Arg Thr Phe Phe Arg Val Cys Leu Lys
          50          55          60
His Tyr Gln Ala Ser Val Ser Pro Glu Pro Pro Cys Thr Tyr Gly Ser
          65          70          75          80
Ala Val Thr Pro Val Leu Gly Val Asp Ser Phe Ser Leu Pro Asp Gly
          85          90          95
Ala Gly Ile Asp Pro Ala Phe Ser Asn Pro Ile Arg Phe Pro Phe Gly
          100          105          110
Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu Ala Leu His Thr
          115          120          125
Asp Ser Pro Asp Asp Leu Ala Thr Glu Asn Pro Glu Arg Leu Ile Ser
          130          135          140
Arg Leu Thr Thr Gln Arg His Leu Thr Val Gly Glu Glu Trp Ser Gln
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Asp Leu His Ser Ser Gly Arg Thr Asp Leu Arg Tyr Ser Tyr Arg Phe
          165          170          175
Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser Val Phe Cys Arg
          180          185          190
Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly Asp Arg Gly Glu
          195          200          205
Lys Met Cys Asp Pro Gly Trp Lys Gly Gln Tyr Cys Thr Asp Pro Ile
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Cys Leu Pro Gly Cys Asp Asp Gln His Gly Tyr Cys Asp Lys Pro Gly
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Glu Cys Lys Cys Arg Val Gly Trp Gln Gly Arg Tyr Cys Asp Glu Cys
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Ile Arg Tyr Pro Gly Cys Val His Gly Thr Cys Gln Gln Pro Trp Gln
          260          265          270
Cys Asn Cys Gln Glu Gly Trp Gly Gly Leu Phe Cys Asn Gln Asp Leu
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Asn Tyr Cys Thr His His Lys Pro Cys Arg Asn Gly Ala Thr Cys Thr
          290          295          300
Asn Thr Gly Gln Gly Ser Tyr Thr Cys Ser Cys Arg Pro Gly Tyr Thr
          305          310          315          320
Gly Ala Asn Cys Glu Leu Glu Val Asp Glu Cys Ala Pro Ser Pro Cys
          325          330          335
Lys Asn Gly Ala Ser Cys Thr Asp Leu Glu Asp Ser Phe Ser Cys Thr

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Asn	Cys	Cys	Arg	Gly	Gly	Gly	Cys	Cys	Thr	Phe	Phe	Arg	Val	Cys	Leu
		35					40					45			
Lys	His	Tyr	Gln	Ala	Ser	Val	Ser	Pro	Glu	Pro	Pro	Cys	Thr	Tyr	Gly
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Ser	Ala	Thr	Pro	Val	Leu	Gly	Ser	Phe	Ser	Pro	Asp	Gly	Ala	Gly	Asp
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Pro	Ala	Phe	Ser	Asn	Pro	Ile	Arg	Phe	Pro	Phe	Gly	Phe	Thr	Trp	Pro
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Gly	Thr	Phe	Ser	Leu	Ile	Ile	Glu	Ala	Leu	His	Thr	Asp	Ser	Pro	Asp
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Thr	Asp	Leu	Tyr	Ser	Tyr	Arg	Phe	Val	Cys	Asp	Glu	His	Tyr	Tyr	Gly
145					150					155					160
Glu	Gly	Cys	Ser	Val	Phe	Cys	Arg	Pro	Arg	Asp	Asp	Phe	Gly	His	Phe
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Thr	Cys	Gly	Arg	Gly	Glu	Lys	Cys	Pro	Gly	Trp	Lys	Gly	Gln	Tyr	Cys
			180					185					190		
Thr	Pro	Ile	Cys	Leu	Pro	Gly	Cys	Asp	Gln	His	Gly	Cys	Asp	Lys	Pro
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	210					215					220				
Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Val	His	Gly	Thr	Cys	Gln	Gln	Pro	Trp
225					230					235					240
Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys	Asn	Gln	Asp
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Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Asn	Gly	Ala	Thr	Cys	Thr
		260						265					270		
Asn	Thr	Gly	Gln	Gly	Ser	Tyr	Thr	Cys	Ser	Cys	Arg	Pro	Gly	Tyr	Thr
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Glu	Ser	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Phe	Tyr	Gly	Lys	Cys	Glu	Leu
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Ser	Ala	Met	Thr	Cys	Ala	Asp	Gly	Pro	Cys	Phe	Asn	Gly	Gly	Arg	Cys
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Asp	Asn	Pro	Asp	Gly	Gly	Tyr	Cys	Cys	Pro	Leu	Gly	Ser	Gly	Phe	Asn
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Cys	Glu	Lys	Lys	Asp	Cys	Ser	Ser	Pro	Cys	Asn	Gly	Ala	Cys	Val	Asp
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Leu	Gly	Asn	Ser	Tyr	Cys	Cys	Gln	Ala	Gly	Phe	Gly	Arg	Cys	Asp	Asn
	370					375					380				
Val	Asp	Asp	Cys	Ala	Ser	Pro	Cys	Asn	Gly	Gly	Thr	Cys	Asp	Val	Asn
385					390					395					400
Asp	Ser	Cys	Thr	Cys	Pro	Pro	Gly	Tyr	Gly	Lys	Asn	Cys	Ser	Pro	Val
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Ser	Arg	Cys	Glu	His	Pro	Cys	His	Asn	Gly	Ala	Thr	Cys	His	Arg	Arg
			420					425					430		
Tyr	Cys	Glu	Cys	Ala	Gly	Tyr	Gly	Gly	Asn	Cys	Gln	Phe	Leu	Leu	Pro
		435					440					445			
Glu	Pro	Pro	Gly	Pro	Val	Asp	Glu	Glu	Gln	Phe	Pro	Trp	Ala	Val	Cys
	450					455					460				
Ala	Gly	Leu	Val	Leu	Leu	Leu	Leu	Gly	Cys	Ala	Ala	Val	Val	Cys	Val
465					470					475					480

Arg	Leu	Lys	Gln	Lys	Pro	Glu	Cys	Glu	Thr	Glu	Thr	Met	Asn	Asn	Leu
			485						490					495	
Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Ser	Ser	Ile	Gly	Ala	Thr	Gln	Ile
			500					505					510		
Lys	Asn	Thr	Asn	Lys	Lys	Asp	Phe	His	Asp	Lys	Lys	Val	Arg	Tyr	Pro
		515				520						525			
Val	Asp	Tyr	Asn	Leu	Val	Leu	Lys	Val	His	Lys	Lys	Cys	Ser	Glu	Glu
	530				535						540				
Lys	Ala	Leu	Arg	Lys	Arg	Pro	Ser	Val	Tyr	Ser	Thr	Ser	Lys	Asp	Thr
545					550					555					560
Lys	Tyr	Gln	Ser	Val	Tyr	Val	Ser	Glu	Lys	Asp	Glu	Cys	Ile	Ala	Thr
			565					570						575	

Glu Val

<210> 14
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 14
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 tccgacaaga atggmtttca aggcccgtc cccagcgtg gactataact cgtgcaggac 180
 ctcaagggtg acgacaccgc cgtcaggacg tcgcacagca agcgtgacac caagtgccag 240
 tccccaggct cctcaggagg gagaaagggga ccccgaccac actcaggggk tgcgtgctgc 300
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 cttcccaaatt gttctcatgc attcattgtg gattttctct attttcttt tagtgagaaa 420
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 tcggtgtacg tcatatccga ggagaaggac gagtgcgtca tcgca 525

<210> 15
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of humna delta

<220>
 <221> VARIANT
 <222> 4
 <223> Xaa = Any Amino Acid

<400> 15
 Tyr Asp Glu Xaa Pro Gly Glu Leu Pro Ala
 1 5 10

<210> 16
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Predicted amino acid sequence of humna delta

<220>
 <221> VARIANT
 <222> 11, 15, 23, 24, 28

<223> Xaa = Any Amino Acid

<400> 16

Glu	Gly	His	Leu	Ser	Gln	His	His	Arg	Gly	Xaa	Val	Arg	Ser	Xaa	Thr
1				5					10					15	
Pro	Thr	Arg	Arg	Arg	Thr	Xaa	Xaa	Arg	Gly	Thr	Xaa	Ala	Ser	Asp	Lys
		20						25					30		
Asn	Gly	Phe	Gln	Gly	Pro	Leu	Pro	Gln	Arg	Gly	Leu				
		35					40								

<210> 17

<211> 118

<212> PRT

<213> Artificial Sequence

<220>

<223> Predicted amino acid sequence of humna delta

<220>

<221> VARIANT

<222> 41

<223> Xaa = Any Amino Acid

<400> 17

Leu	Val	Gln	Asp	Leu	Lys	Gly	Asp	Asp	Thr	Ala	Val	Arg	Thr	Ser	His
1				5					10					15	
Ser	Lys	Arg	Asp	Thr	Lys	Cys	Gln	Ser	Pro	Gly	Ser	Ser	Gly	Arg	Arg
		20						25					30		
Arg	Gly	Pro	Arg	Pro	His	Ser	Gly	Xaa	Ala	Cys	Cys	Gly	Pro	Gly	Ser
		35					40					45			
Gly	Gly	Gly	Thr	Trp	Gly	Val	Ser	Ser	Trp	His	Cys	Ser	Val	Ser	Leu
	50					55					60				
Pro	Lys	Cys	Ser	His	Ala	Phe	Ile	Val	Asp	Phe	Leu	Tyr	Phe	Pro	Phe
65				70						75					80
Ser	Gly	Glu	Ala	Ser	Glu	Arg	Lys	Arg	Pro	Asp	Ser	Gly	Cys	Ser	Thr
			85						90					95	
Ser	Lys	Asp	Thr	Lys	Tyr	Gln	Ser	Val	Tyr	Val	Ile	Ser	Glu	Glu	Lys
			100					105					110		
Asp	Glu	Cys	Val	Ile	Ala										
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<210> 18

<211> 173

<212> PRT

<213> Artificial Sequence

<220>

<223> Predicted amino acid sequence of human delta

<220>

<221> VARIANT

<222> 34, 35, 39, 44, 96

<223> Xaa = Any Amino Acid

<400> 18

Thr	Met	Asn	Asn	Leu	Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Ile	Ser	Val
1				5					10					15	
Ser	Ile	Ile	Gly	Ala	Thr	Ser	Asp	Gln	Glu	His	Gln	Gln	Glu	Gly	Gly

<213> Artificial Sequence

<220>

<223> Predicted amino acid sequence of human delta

<400> 21

His	Gln	Val	Pro	Val	Pro	Arg	Leu	Leu	Arg	Glu	Glu	Lys	Gly	Thr	Pro	
1				5					10					15		
Thr	Thr	Leu	Arg	Gly	Cys	Val	Leu	Arg	Ala	Gly	Leu	Arg	Arg	Gly	Tyr	
			20					25					30			
Leu	Gly	Gly	Val	Phe	Leu	Glu	Pro	Leu	Leu	Arg	Phe	Ser	Ser	Gln	Met	
		35					40					45				
Phe	Ser	Cys	Ile	His	Cys	Gly	Phe	Ser	Leu	Phe	Ser	Phe				
	50					55					60					

<210> 22

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Predicted amino acid sequence of human delta

<400> 22

Lys	Lys	Lys	Ala	Gly	Leu	Gly	Leu	Phe	Asn	Phe	Lys	Lys	Arg	His	Gln	
1				5				10						15		
Val	Pro	Val	Gly	Val	Arg	His	Ile	Arg	Gly	Glu	Gly	Arg	Val	Arg	His	
			20					25					30			
Arg																

<210> 23

<211> 175

<212> PRT

<213> Artificial Sequence

<220>

<223> Predicted amino acid sequence of human delta

<220>

<221> VARIANT

<222> 25, 34, 35, 38, 97

<223> Xaa = Any Amino Acid

<400> 23

Thr	Met	Asn	Asn	Leu	Ala	Asn	Cys	Gln	Arg	Glu	Lys	Asp	Ile	Ser	Val	
1				5				10						15		
Ser	Ile	Ile	Gly	Ala	Thr	Gly	Ile	Xaa	Asn	Thr	Asn	Lys	Lys	Ala	Asp	
			20					25					30			
Phe	Xaa	Xaa	Gly	Asp	Xaa	Ser	Ser	Asp	Lys	Asn	Gly	Phe	Gln	Lys	Ala	
		35					40					45				
Arg	Tyr	Pro	Ser	Val	Asp	Tyr	Asn	Leu	Val	Gln	Asp	Leu	Lys	Gly	Asp	
	50					55					60					
Asp	Thr	Ala	Val	Arg	Thr	Ser	His	Ser	Lys	Arg	Asp	Thr	Lys	Cys	Gln	
65				70					75					80		
Ser	Pro	Gly	Ser	Ser	Gly	Arg	Arg	Arg	Gly	Pro	Arg	Pro	His	Ser	Gly	
			85					90					95			
Xaa	Ala	Cys	Cys	Gly	Pro	Gly	Ser	Gly	Gly	Gly	Thr	Trp	Gly	Val	Ser	
		100						105					110			

Ser	Trp	Asn	His	Cys	Ser	Val	Ser	Leu	Pro	Lys	Cys	Ser	His	Ala	Phe
		115					120				125				
Ile	Val	Asp	Phe	Leu	Tyr	Phe	Pro	Phe	Ser	Gly	Glu	Ala	Ser	Glu	Arg
	130					135					140				
Lys	Arg	Pro	Asp	Ser	Gly	Cys	Ser	Thr	Ser	Lys	Asp	Thr	Lys	Tyr	Gln
145				150						155					160
Ser	Val	Tyr	Val	Ile	Ser	Glu	Glu	Lys	Asp	Glu	Cys	Val	Ile	Ala	
			165					170						175	

<210> 24

<211> 2899

<212> DNA

<213> Artificial Sequence

<220>

<223> Consenses sequence of mouse delta and human delta

<220>

<221> misc_feature

<222> 854, 973, 984, 1582, 1787, 1819, 1864, 1916, 1951, 2033,

2152, 2156, 2171, 2183, 2194, 2212, 2220, 2226, 2230, 2244,

2245, 2264, 2265, 2266, 2287

<223> n = A,T,C or G

<400> 24

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ggggctgctg	gggaaccgca	actgctgccg	cgggggctct	ggcccgccct	gcgcctgcag	180
gaccttcttt	cgcgatagcc	tcaaccacta	ccaggccagc	gtgtcaccgg	agccaccctg	240
cacctacggc	agtgtgtgca	cgccagtgtc	gggtctcgac	tccttcagcc	tgcctsatkg	300
sgyasgsryc	smccycgagg	yckwcrgyaw	csmyaagyyy	gatatacgmm	tycggtctca	360
cctggccrrg	yaccttctct	ctgatyattg	aagcyctcca	yacagaytct	ccygtatgacc	420
tcgcaacaga	aaacccagaa	agactcatca	gccgcctgrc	cacycagagg	cacctsackg	480
tgggmrgarg	rtgggtcycag	gacctkcaca	gyagcggccg	caargacctc	mrgtactcyt	540
accgsttygt	gtgtgacgar	cactactacg	gagarggytg	ctctgtkttc	tgccgwccyc	600
gggagaygyc	cttyggccac	ttcacctgyg	gggasmgwgg	ggagaarrtg	tgraccctg	660
gctggaaagg	scmgtactgc	acwgascrra	tctgyctgcc	wggrtgatg	gascarcagt	720
gatwytgatg	caaaccaggg	gartgcaagt	gcagagtkgg	ctggcagggc	cgstactgyg	780
atgagtgyat	ccgytaycca	ggytgtctcc	atggcacctg	ccagcarccc	tggcagtgya	840
actgccagcy	aggntggggg	ggccttttct	gcaaccarga	cctgaactac	tgyacwcacc	900
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cccgtyggcm	aaygggggca	cctgccggga	yrgygtgaac	gacttgctct	gyacctgccc	1440
rcctggctac	acgggacarga	actgcagygc	cccygycagc	aggtgygagc	aygcaccctg	1500
ccayaatggg	gccacctgcc	acsagagggg	ccascgctay	wtgtgygagt	gygcccrrrg	1560
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araccatgaa	caacctrgnc	aaytgccagc	gygagaagga	crtytcwgty	agcatcatyg	1860
gggnyacsca	catcaagaac	accaacaaga	aggcgactt	ycacggggac	cayrgngccr	1920
asaagaryrg	cttyaaggyc	cgmtaccmr	nkgtggacta	taacctcgtk	crrgacctca	1980
agggwgayga	mrccrcsgtc	agggayrcrc	acagcaarcg	tgacaccaag	tgncagycmc	2040
agrgctcykg	agrgargarg	aaggggaycs	ccgaccmaca	ctyagggggg	ggaggaagmw	2100

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magtcggtgt nygtymktkc ygnagragga aggnrtgastg ygtyataggm rnytgaggtn 2220
gtaarntggn agcgatgtgg caannttccc atttctcksa aaknnnattc cmmggatata 2280
gcyccgntga atgctkctga gagaggaagg gagaggaaac ccagggactg ytkytcagaa 2340
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<210> 25

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence encoded by SEQ ID NO. 93 (degenerated oligo)

<400> 25

Glu Lys Asp Glu Cys Val Ile Ala

1

5

<210> 26

<211> 1981

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 559, 678, 689, 1287, 1492, 1524, 1569, 1621, 1656, 1738, 1857, 1861, 1876, 1888, 1899, 1917, 1925, 1931, 1935, 1942, 1943, 1952, 1953, 1954, 1968

<223> n = A,T,C or G

<400> 26

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tgacctcgca acagaaaacc cagaaagact catcagccgc ctggccaccc agaggcacct 180
gacggtgggc gaggagtggc cccaggacct gcacagcagc ggccgcacgg acctcaagta 240
ctcctaccgc ttcgtgtgtg acgaacacta ctacggagag ggctgctccg ttttctgccg 300
tccccgggac gatgccttcg gccacttcac ctgtggggag cgtggggaga aagtgtgcaa 360
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gcatggattt tgtgacaaac caggggaatg caagtgcaga gtgggctggc agggccggta 480
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acaccataag ccctgcaaga atggagccac ctgcaacaaa cacgggccag ggggagctac 660
acttggctct tggccggnct ggggtacana ggggtgccacc tgcgaagctt ggggattgga 720
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tacagctgcc gctgccccgt gggctactcc ggcttcaact gtgagaagaa aattgactac 960
tgcagctctt caccctgttc taatggtgcc aagtgtgtgg acctcggtga tgcctacctg 1020
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cctcaagggt gacgacaccg ccgtcaggga cgcgcacagc aagcgtgaca ccaagtgnca 1740
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aagcatcttg aaagaaaaag gccggacttc gggcttgttc aactttcaa agacaancaa 1860
ngtacaagtc ggtgtncgtc atttccgnag gaggaaggnt gactgcgtca taggaantt 1920
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<210> 27

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 27

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His Trp Val Arg Ala Pro Leu Glu Val Asp Gly Ile Asp Lys Leu Asp
1           5           10           15
Ile Glu Phe Arg Leu His Leu Ala Gly His Leu Leu Ser Asp Tyr
          20          25          30

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<210> 28

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 28

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Ser Ser Pro His Arg Phe Ser
1           5

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<210> 29

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three
possible ORF of human Delta contigs

<400> 29

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Pro Arg Asn Arg Lys Pro Arg Lys Thr His Gln Pro Pro Gly His Pro
1           5           10           15
Glu Ala Pro Asp Gly Gly Arg Gly Val Val Pro Gly Pro Ala Gln Gln
          20          25          30

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Arg Pro His Gly Pro Gln Val Leu Leu Pro Leu Arg Val
 35 40 45

<210> 30
 <211> 49
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 30
 Arg Thr Leu Leu Arg Arg Gly Leu Leu Arg Phe Pro Ser Pro Gly Arg
 1 5 10 15
 Cys Leu Arg Pro Leu His Leu Trp Gly Ala Trp Gly Glu Ser Val Gln
 20 25 30
 Pro Trp Leu Glu Arg Ala Leu Leu His Arg Ala Asp Leu Pro Ala Trp
 35 40 45
 Met

<210> 31
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 31
 Ala Ala Trp Ile Leu
 1 5

<210> 32
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 32
 Gln Thr Arg Gly Met Gln Val Gln Ser Gly Leu Ala Gly Pro Val Leu
 1 5 10 15

<210> 33
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 25
 <223> Xaa = Any Amino Acid

 <400> 33
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 Leu Ala Val Gln Leu Pro Gly Arg Xaa Gly Gly Pro Phe Leu Gln Pro
 20 25 30
 Gly Pro Glu Leu Leu His Thr Pro
 35 40

<210> 34
 <211> 45
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 27
 <223> Xaa = Any Amino Acid

<400> 34
 Ala Leu Gln Glu Trp Ser His Leu Gln Gln Thr Arg Ala Arg Gly Ser
 1 5 10 15
 Tyr Thr Trp Ser Leu Ala Gly Leu Gly Tyr Xaa Gly Cys His Leu Arg
 20 25 30
 Ser Leu Gly Ile Gly Arg Val Val Asp Pro Ser Pro Trp
 35 40 45

<210> 35
 <211> 196
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 166, 179
 <223> Xaa = Any Amino Acid

<400> 35
 Glu Arg Arg Glu Leu Asp Gly Ser Ser Glu Asn Ser Tyr Ser Cys Thr
 1 5 10 15
 Cys Pro Pro Gly Phe Tyr Gly Lys Ile Cys Glu Leu Ser Ala Met Thr
 20 25 30
 Cys Ala Asp Gly Pro Cys Phe Asn Gly Gly Arg Cys Ser Asp Pro Asp
 35 40 45
 Gly Gly Tyr Ser Cys Arg Cys Pro Val Gly Tyr Ser Gly Phe Asn Cys
 50 55 60
 Glu Lys Lys Ile Asp Tyr Cys Ser Ser Ser Pro Cys Ser Asn Gly Ala

65					70					75					80
Lys	Cys	Val	Asp	Leu	Gly	Asp	Ala	Tyr	Leu	Cys	Arg	Gly	Gln	Ala	Gly
				85					90					95	
Phe	Ser	Gly	Arg	His	Cys	Asp	Asp	Asn	Val	Asp	Asp	Cys	Ala	Ser	Ser
			100					105					110		
Pro	Cys	Ala	Asn	Gly	Gly	Thr	Cys	Arg	Asp	Gly	Val	Asn	Asp	Phe	Ser
		115					120					125			
Cys	Thr	Cys	Pro	Pro	Gly	Tyr	Thr	Gly	Arg	Asn	Cys	Ser	Ala	Pro	Ala
	130					135					140				
Ser	Arg	Cys	Glu	His	Ala	Pro	Cys	His	Asn	Gly	Ala	Thr	Cys	His	Glu
145					150					155					160
Arg	Gly	His	Arg	Tyr	Xaa	Cys	Glu	Cys	Ala	Arg	Ser	Tyr	Gly	Gly	Pro
			165						170					175	
Asn	Cys	Xaa	Phe	Leu	Leu	Pro	Glu	Thr	Ala	Pro	Pro	Ala	Pro	Arg	Trp
		180						185					190		
Trp	Lys	Leu	Pro												
		195													

<210> 36
 <211> 65
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 51
 <223> Xaa = Any Amino Acid

<400> 36															
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Arg	Arg	Gly	His	Pro	Cys	Pro	His	Ala	Ala	Ala	Gly	Leu	Cys	Arg	Cys
			20					25					30		
Gly	Gly	Leu	Arg	Pro	Ala	Glu	Ala	Glu	Ala	Pro	Ala	Pro	Ser	Arg	
		35				40					45				
Pro	Leu	Xaa	Gly	Gly	Asp	Gly	Asp	His	Glu	Gln	Pro	Gly	Gln	Leu	Pro
	50					55					60				
Ala															
65															

<210> 37
 <211> 42
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 28, 39
 <223> Xaa = Any Amino Acid

<400> 37

Glu Gly His Leu Ser Gln His His Arg Gly His Ala Asp Gln Glu His
 1 5 10 15
 Gln Gln Glu Gly Gly Leu Pro Arg Gly Pro Gln Xaa Arg Gln Glu Trp
 20 25 30
 Leu Gln Gly Pro Leu Pro Xaa Gly Gly Leu
 35 40

<210> 38
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 38
 Pro Arg Ala Gly Pro Gln Gly
 1 5

<210> 39
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 39
 Arg His Arg Arg Gln Gly Arg Ala Gln Gln Ala
 1 5 10

<210> 40
 <211> 57
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 4, 43, 45, 50, 54
 <223> Xaa = Any Amino Acid

<400> 40
 His Gln Val Xaa Ala Pro Gly Leu Leu Arg Gly Gly Glu Gly Asp Pro
 1 5 10 15
 Arg Pro Thr Leu Arg Gly Trp Arg Lys His Leu Glu Arg Lys Arg Pro
 20 25 30
 Asp Phe Gly Leu Val Gln Leu Ser Lys Asp Xaa Gln Xaa Thr Ser Arg
 35 40 45
 Cys Xaa Ser Phe Pro Xaa Glu Glu Gly
 50 55

<210> 41
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 5, 8
 <223> Xaa = Any Amino Acid

<400> 41
 Leu Arg His Arg Xaa Leu Arg Xaa
 1 5

<210> 42
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 1, 4, 5
 <223> Xaa = Any Amino Acid

<400> 42
 Xaa Trp Lys Xaa Xaa Pro Gly Phe Arg Phe Gln Ser Phe
 1 5 10

<210> 43
 <211> 276
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 226, 230
 <223> Xaa = Any Amino Acid

<400> 43
 Ile Gly Tyr Gly Pro Pro Ser Arg Ser Thr Val Ser Ile Ser Leu Ile
 1 5 10 15
 Ser Asn Ser Gly Phe Thr Trp Pro Gly Thr Phe Ser Leu Ile Ile Glu
 20 25 30
 Ala Leu His Thr Asp Ser Pro Asp Asp Leu Ala Thr Glu Asn Pro Glu
 35 40 45

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Arg Leu Ile Ser Arg Leu Ala Thr Gln Arg His Leu Thr Val Gly Glu
 50          55          60
Glu Trp Ser Gln Asp Leu His Ser Ser Gly Arg Thr Asp Leu Lys Tyr
 65          70          75
Ser Tyr Arg Phe Val Cys Asp Glu His Tyr Tyr Gly Glu Gly Cys Ser
          85          90          95
Val Phe Cys Arg Pro Arg Asp Asp Ala Phe Gly His Phe Thr Cys Gly
          100          105          110
Glu Arg Gly Glu Lys Val Cys Asn Pro Gly Trp Lys Gly Pro Tyr Cys
          115          120          125
Thr Glu Pro Ile Cys Leu Pro Gly Cys Asp Glu Gln His Gly Phe Cys
          130          135          140
Asp Lys Pro Gly Glu Cys Lys Cys Arg Val Gly Trp Gln Gly Arg Tyr
          145          150          155
Cys Asp Glu Cys Ile Arg Tyr Pro Gly Cys Leu His Gly Thr Cys Gln
          165          170          175
Gln Pro Trp Gln Cys Asn Cys Gln Glu Gly Trp Gly Gly Leu Phe Cys
          180          185          190
Asn Gln Asp Leu Asn Tyr Cys Thr His His Lys Pro Cys Lys Asn Gly
          195          200          205
Ala Thr Cys Asn Lys His Gly Pro Gly Gly Ala Thr Leu Gly Leu Trp
          210          215          220
Pro Xaa Trp Gly Thr Xaa Gly Ala Thr Cys Glu Ala Trp Gly Leu Asp
          225          230          235
Glu Leu Leu Thr Pro Ala Leu Gly Lys Asn Gly Gly Ser Leu Thr Asp
          245          250          255
Leu Arg Arg Thr Ala Thr Pro Val Pro Ala His Pro Ala Ser Thr Ala
          260          265          270
Lys Ser Val Asn
          275

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<210> 44
<211> 93
<212> PRT
<213> Artificial Sequence

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<220>
<223> Deduced amino acid sequence using the three
       possible ORF of human Delta contigs

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<400> 44
Pro Val Arg Thr Ala Leu Ala Leu Thr Gly Val Gly Ala Gln Thr Ala
 1          5          10          15
Pro Met Glu Gly Thr Ala Ala Ala Ala Pro Trp Ala Thr Pro Ala Ser
          20          25          30
Thr Val Arg Arg Lys Leu Thr Thr Ala Ala Leu His Pro Val Leu Met
          35          40          45
Val Pro Ser Val Trp Thr Ser Val Met Pro Thr Cys Ala Ala Ala Arg
          50          55          60
Pro Ala Ser Arg Gly Gly Thr Val Thr Thr Thr Trp Thr Thr Ala Pro
          65          70          75          80
Pro Pro Arg Ala Pro Thr Gly Ala Pro Ala Gly Met Ala
          85          90

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<210> 45
<211> 74
<212> PRT
<213> Artificial Sequence

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<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 55
 <223> Xaa = Any Amino Acid

<400> 45
 Thr Thr Ser Pro Ala Pro Ala Arg Leu Ala Thr Arg Ala Gly Thr Ala
 1 5 10 15
 Val Pro Pro Pro Ala Gly Ala Ser Thr His Pro Ala Thr Met Gly Pro
 20 25 30
 Pro Ala Thr Arg Gly Ala Thr Ala Ile Cys Ala Ser Val Pro Glu Ala
 35 40 45
 Thr Gly Val Pro Thr Ala Xaa Ser Cys Pro Lys Leu Pro Pro Arg Pro
 50 55 60
 His Gly Gly Gly Asn Ser Pro Lys Lys Thr
 65 70

<210> 46
 <211> 187
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 47, 58, 73, 101, 128, 167, 168, 181, 187
 <223> Xaa = Any Amino Acid

<400> 46
 Lys Gly Arg Gly Gly Pro Ile Pro Leu Val Asp Val Cys Ala Gly Val
 1 5 10 15
 Ile Leu Val Leu Met Leu Leu Leu Gly Cys Ala Ala Val Val Cys
 20 25 30
 Val Arg Leu Arg Leu Gln Lys His Arg Pro Pro Ala Asp Pro Xaa Arg
 35 40 45
 Gly Glu Thr Glu Thr Met Asn Asn Leu Xaa Asn Cys Gln Arg Glu Lys
 50 55 60
 Asp Ile Ser Val Ser Ile Ile Gly Xaa Thr Gln Ile Lys Asn Thr Asn
 65 70 75 80
 Lys Lys Ala Asp Phe His Gly Asp His Ala Asp Lys Asn Gly Phe Lys
 85 90 95
 Ala Arg Tyr Pro Xaa Val Asp Tyr Asn Leu Val Gln Asp Leu Lys Gly
 100 105 110
 Asp Asp Thr Ala Val Arg Asp Ala His Ser Lys Arg Asp Thr Lys Xaa
 115 120 125
 Gln Pro Gln Gly Ser Ser Gly Glu Glu Gly Thr Pro Asp Pro His Ser
 130 135 140
 Gly Gly Gly Gly Ser Ile Leu Lys Glu Lys Gly Arg Thr Ser Gly Leu
 145 150 155 160
 Phe Asn Phe Gln Lys Thr Xaa Xaa Val Gln Val Gly Val Arg His Phe
 165 170 175
 Arg Arg Arg Lys Xaa Asp Cys Val Ile Gly Xaa

<210> 47
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 2, 4, 5, 7, 8, 11, 16
 <223> Xaa = Any Amino Acid

<400> 47
 Gly Xaa Lys Xaa Xaa Val Xaa Xaa Gly Lys Xaa Ser Pro Asp Ser Xaa
 1 5 10 15
 Phe Lys Val Phe
 20

<210> 48
 <211> 12
 <212> PRT

<213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 48
 Leu Gly Thr Gly Pro Arg Gly Arg Arg Tyr Arg
 1 5 10

<210> 49
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 49
 Tyr Arg Ile Pro Ala Ser Pro Gly Arg Ala Pro Ser Leu
 1 5 10

<210> 50
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three

possible ORF of human Delta contigs

<400> 50

Leu	Leu	Lys	Leu	Ser	Thr	Gln	Ile	Leu	Leu	Met	Thr	Ser	Gln	Gln	Lys
1				5				10						15	
Thr	Gln	Lys	Asp	Ser	Ser	Ala	Ala	Trp	Pro	Pro	Arg	Gly	Thr		
		20						25					30		

<210> 51

<211> 135

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three possible ORF of human Delta contigs

<220>

<221> VARIANT

<222> 126

<223> Xaa = Any Amino Acid

<400> 51

Arg	Trp	Ala	Arg	Ser	Gly	Pro	Arg	Thr	Cys	Thr	Ala	Ala	Ala	Ala	Arg
1				5				10						15	
Thr	Ser	Ser	Thr	Pro	Thr	Ala	Ser	Cys	Val	Thr	Asn	Thr	Thr	Thr	Glu
			20					25					30		
Arg	Ala	Ala	Pro	Phe	Ser	Ala	Val	Pro	Gly	Thr	Met	Pro	Ser	Ala	Thr
		35					40				45				
Ser	Pro	Val	Cys	Ser	Val	Gly	Arg	Lys	Cys	Ala	Thr	Leu	Ala	Gly	Lys
	50					55					60				
Gly	Pro	Thr	Ala	Gln	Ser	Arg	Ser	Ala	Cys	Leu	Asp	Val	Met	Ser	Ser
65				70						75				80	
Met	Asp	Phe	Phe	Val	Thr	Asn	Gln	Asn	Ala	Ser	Ala	Glu	Trp	Ala	Gly
			85					90					95		
Arg	Ala	Gly	Thr	Val	Thr	Ser	Val	Ser	Ala	Ile	Gln	Ala	Val	Ser	Met
			100					105					110		
Ala	Pro	Ala	Ser	Ser	Pro	Gly	Ser	Ala	Thr	Ala	Arg	Lys	Xaa	Gly	Gly
		115				120						125			
Ala	Phe	Ser	Ala	Thr	Arg	Thr									
	130					135									

<210> 52

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Deduced amino acid sequence using the three possible ORF of human Delta contigs

<220>

<221> VARIANT

<222> 30, 33

<223> Xaa = Any Amino Acid

<400> 52

Thr Thr Ala His Thr Ile Ser Pro Ala Arg Met Glu Pro Pro Ala Thr

1	5	10	15
Asn Thr Gly Gln Gly Glu Leu His Leu Val Phe Gly Arg Xaa Gly Val			
	20	25	30
Xaa Arg Val Pro Pro Ala Lys Leu Gly Asp Trp Thr Ser Cys			
35	40	45	

<210> 53
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 53
 Pro Gln Pro Leu Val Arg Thr Glu Gln Glu
 1 5 10

<210> 54
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 54
 Arg Ile Phe Gly Glu Gln Leu Leu Leu Tyr Leu Pro Thr Arg Leu Leu
 1 5 10 15
 Arg Gln Asn Leu
 20

<210> 55
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 55
 Ile Glu Cys His Asp Leu Cys Gly Arg Pro Leu Leu
 1 5 10

<210> 56
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 56

Arg Gly Ser Val Leu Arg Gln Pro Arg Trp Arg Val Gln Leu Pro Leu
 1 5 10 15
 Pro Arg Gly Leu Leu Arg Leu Gln Leu
 20 25

<210> 57
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 57
 Leu Leu Gln Leu Phe Thr Leu Phe
 1 5

<210> 58
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 58
 Trp Cys Gln Val Cys Gly Pro Arg
 1 5

<210> 59
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<400> 59
 Cys Leu Pro Val Pro Leu Pro Gly Arg Leu Leu Gly Glu Ala Leu
 1 5 10 15

<210> 60
 <211> 131
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 76
 <223> Xaa = Any Amino Acid

<400> 60
 Arg Gln Arg Gly Arg Leu Arg Leu Leu Pro Val Arg Gln Gly His Leu
 1 5 10 15
 Pro Gly Trp Arg Glu Arg Leu Leu Leu His Leu Pro Ala Trp Leu His
 20 25 30
 Gly Gln Glu Leu Gln Cys Pro Arg Gln Gln Val Arg Ala Arg Thr Leu
 35 40 45
 Pro Gln Trp Gly His Leu Pro Arg Glu Gly Pro Pro Leu Phe Val Arg
 50 55 60
 Val Cys Pro Lys Leu Arg Gly Ser Gln Leu Pro Xaa Pro Ala Pro Arg
 65 70 75 80
 Asn Cys Pro Pro Gly Pro Thr Val Val Glu Thr Pro Leu Lys Lys Pro
 85 90 95
 Lys Arg Ala Gly Gly Gly Pro Ser Pro Trp Trp Thr Cys Ala Pro Gly
 100 105 110
 Ser Ser Leu Ser Ser Cys Cys Cys Trp Ala Val Pro Leu Trp Trp Ser
 115 120 125
 Ala Ser Gly
 130

<210> 61
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 12
 <223> Xaa = Any Amino Acid

<400> 61
 Gly Cys Arg Ser Thr Gly Pro Gln Pro Thr Pro Xaa Gly Gly Arg Arg
 1 5 10 15
 Arg Pro

<210> 62
 <211> 98
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 4, 19, 36, 48, 75
 <223> Xaa = Any Amino Acid

<400> 62
 Thr Thr Trp Xaa Thr Ala Ser Val Arg Arg Thr Ser Gln Ser Ala Ser
 1 5 10 15
 Ser Gly Xaa Arg Arg Ser Arg Thr Pro Thr Arg Arg Arg Thr Ser Thr

		20						25				30					
Gly	Thr	Thr	Xaa	Pro	Thr	Arg	Met	Ala	Ser	Arg	Pro	Ala	Thr	Gln	Xaa		
		35						40				45					
Trp	Thr	Ile	Thr	Ser	Cys	Arg	Thr	Ser	Arg	Val	Thr	Thr	Pro	Pro	Ser		
		50				55					60						
Gly	Thr	Arg	Thr	Ala	Ser	Val	Thr	Pro	Ser	Xaa	Ser	Pro	Arg	Ala	Pro		
65					70					75					80		
Gln	Gly	Arg	Arg	Arg	Cys	Pro	Pro	Thr	His	Thr	Gln	Gly	Val	Glu	Glu		
				85					90					95			
Ala	Ser																

<210> 63
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 16, 17, 22, 26, 30
 <223> Xaa = Any Amino Acid

Lys	Lys	Lys	Ala	Gly	Leu	Arg	Ala	Cys	Ser	Thr	Phe	Lys	Arg	Gln	Xaa		
1			5					10						15			
Xaa	Tyr	Lys	Ser	Val	Xaa	Val	Ile	Ser	Xaa	Gly	Gly	Arg	Xaa	Thr	Ala		
			20					25					30				
Ser																	

<210> 64
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Deduced amino acid sequence using the three
 possible ORF of human Delta contigs

<220>
 <221> VARIANT
 <222> 2, 6, 8, 10, 13, 14, 19
 <223> Xaa = Any Amino Acid

Glu	Xaa	Glu	Val	Val	Xaa	Trp	Xaa	Leu	Xaa	Leu	Glu	Xaa	Xaa	Pro	Arg		
1			5					10					15				
Ile	Pro	Xaa	Ser	Lys	Phe												
			20														

<210> 65
 <211> 192
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 65

Gly	Phe	Thr	Trp	Pro	Gly	Thr	Phe	Ser	Leu	Ile	Ile	Glu	Ala	Leu	His
1				5					10					15	
Thr	Asp	Ser	Pro	Asp	Asp	Leu	Ala	Thr	Glu	Asn	Pro	Glu	Arg	Leu	Ile
			20					25					30		
Ser	Arg	Leu	Ala	Thr	Gln	Arg	His	Leu	Thr	Val	Gly	Glu	Glu	Trp	Ser
		35					40					45			
Gln	Asp	Leu	His	Ser	Ser	Gly	Arg	Thr	Asp	Leu	Lys	Tyr	Ser	Tyr	Arg
	50					55					60				
Phe	Val	Cys	Asp	Glu	His	Tyr	Tyr	Gly	Glu	Gly	Cys	Ser	Val	Phe	Cys
65					70					75					80
Arg	Pro	Arg	Asp	Asp	Ala	Phe	Gly	His	Phe	Thr	Cys	Gly	Glu	Arg	Gly
				85					90					95	
Glu	Lys	Val	Cys	Asn	Pro	Gly	Trp	Lys	Gly	Pro	Tyr	Cys	Thr	Glu	Pro
			100					105					110		
Ile	Cys	Leu	Pro	Gly	Cys	Asp	Glu	Gln	His	Gly	Phe	Cys	Asp	Lys	Pro
		115				120						125			
Gly	Glu	Cys	Lys	Cys	Arg	Val	Gly	Trp	Gln	Gly	Arg	Tyr	Cys	Asp	Glu
	130					135					140				
Cys	Ile	Arg	Tyr	Pro	Gly	Cys	Leu	His	Gly	Thr	Cys	Gln	Gln	Pro	Trp
145					150				155						160
Gln	Cys	Asn	Cys	Gln	Glu	Gly	Trp	Gly	Gly	Leu	Phe	Cys	Asn	Gln	Asp
				165				170						175	
Leu	Asn	Tyr	Cys	Thr	His	His	Lys	Pro	Cys	Lys	Asn	Gly	Ala	Thr	Cys
			180					185					190		

<210> 66

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 66

Thr	Asn	Thr	Gly	Gln	Gly
1				5	

<210> 67

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 67

Lys	Asn	Gly	Gly	Ser	Leu	Thr	Asp	Leu
1					5			

<210> 68
 <211> 157
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 68
 Glu Asn Ser Tyr Ser Cys Thr Cys Pro Pro Gly Phe Tyr Gly Lys Ile
 1 5 10 15
 Cys Glu Leu Ser Ala Met Thr Cys Ala Asp Gly Pro Cys Phe Asn Gly
 20 25 30
 Gly Arg Cys Ser Asp Ser Pro Asp Gly Gly Tyr Ser Cys Arg Cys Pro
 35 40 45
 Val Gly Tyr Ser Gly Phe Asn Cys Glu Lys Lys Ile Asp Tyr Cys Ser
 50 55 60
 Ser Ser Pro Cys Ser Asn Gly Ala Lys Cys Val Asp Leu Gly Asp Ala
 65 70 75 80
 Tyr Leu Cys Arg Cys Gln Ala Gly Phe Ser Gly Arg His Cys Asp Asp
 85 90 95
 Asn Val Asp Asp Cys Ala Ser Ser Pro Cys Ala Asn Gly Gly Thr Cys
 100 105 110
 Arg Asp Gly Val Asn Asp Phe Ser Cys Thr Cys Pro Pro Gly Tyr Thr
 115 120 125
 Gly Arg Asn Cys Ser Ala Pro Ala Ser Arg Cys Glu His Ala Pro Cys
 130 135 140
 His Asn Gly Ala Thr Cys His Glu Arg Gly His Arg Tyr
 145 150 155

<210> 69
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 69
 Cys Glu Cys Ala Arg Ser Tyr Gly Gly Pro Asn Cys
 1 5 10

<210> 70
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Composite human delta (H-Delta-1) amino acid
 sequence

<400> 70
 Phe Leu Leu Pro Glu
 1 5

<210> 71

<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 71
Pro Pro Gly Pro
1

<210> 72
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 72
Leu Leu Leu Gly Cys Ala Ala Val Val Val Cys Val Arg Leu Arg Leu
1 5 10 15
Gln Lys His Arg Pro Pro Ala Asp Pro
20 25

<210> 73
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 73
Arg Gly Glu Thr Glu Thr Met Asn Asn Leu
1 5 10

<210> 74
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 74
Asn Cys Gln Arg Glu Lys Asp Ile Ser Val Ser Ile Ile Gly
1 5 10

<210> 75
<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 75

Thr	Gln	Ile	Lys	Asn	Thr	Asn	Lys	Lys	Ala	Asp	Phe	His	Gly	Asp	His
1				5					10					15	

<210> 76

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 76

Ala	Asp	Lys	Asn	Gly	Phe	Lys	Ala	Arg	Tyr	Pro
1				5					10	

<210> 77

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 77

Val	Asp	Tyr	Asn	Leu	Val	Gln	Asp	Leu	Lys	Gly	Asp	Asp	Thr	Ala	Val
1				5					10					15	
Arg	Asp	Ala	His	Ser	Lys	Arg	Asp	Thr	Lys						
			20					25							

<210> 78

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 78

Gln	Pro	Gln	Gly	Ser	Ser	Gly	Glu	Glu	Lys	Gly	Thr	Pro
1				5					10			

<210> 79

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 79
Pro Thr Leu Arg
1

<210> 80
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Composite human delta (H-Delta-1) amino acid
sequence

<400> 80
Arg Lys Arg Pro
1

<210> 81
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Degenerated oligo as primer

<220>
<221> VARIANT
<222> 6, 12, 18, 21
<223> n = I (Inosine)

<400> 81
ttcggnttya cntggccngg nac

23

<210> 82
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Degenerated oligo as primer

<220>
<221> VARIANT
<222> 3, 9, 12, 15
<223> n = I (Inosine)

<400> 82
tcnatgcang tncncrrtt

20

<210> 83
<211> 8
<212> PRT
<213> Drosophila

<400> 83
Phe Gly Phe Thr Trp Pro Gly Thr

1

5

<210> 84
<211> 7
<212> PRT
<213> Drosophila

<400> 84
Asn Gly Gly Thr Cys Ile Asp
1 5

<210> 85
<211> 12
<212> PRT
<213> Drosophila

<400> 85
Ser Ile Pro Pro Gly Ser Arg Thr Ser Leu Gly Val
1 5 10

<210> 86
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 1 for PCR

<220>
<221> VARIANT
<222> 3, 9, 15, 18, 21
<223> n = I (Inosine)

<400> 86
ggnttcacnt ggccnggnac ntt

23

<210> 87
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 2 for PCR

<220>
<221> VARIANT
<222> 3, 6, 18
<223> n = I (Inosine)

<400> 87
gtncncnccrt tytttcangg rtt

23

<210> 88
<211> 8
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